

FACT SHEET



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Clark-Floyd County Landfill

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100 N. Senate Ave., Indianapolis, IN 46204

Facility Description:

- The Indiana Department of Environmental Management (IDEM) has received odor complaints concerning the Clark-Floyd Landfill, LLC facility at Highway 60, Bennettsville, Clark County, Indiana.
- Clark-Floyd Landfill, LLC (CFL) is a solid waste landfill on 168 acres that accepts approximately 700 tons per day of municipal solid waste (MSW) and construction and demolition debris (C&D). The facility, constructed in 1970, consists of a municipal solid waste landfill with a landfill gas collection station.
- CFL has a collection and control system that captures the gas generated within the landfill and routes the collected gas to a control system that is designed to minimize off-site migration of subsurface gas. This system consists of gas wells located across the landfill surface and a vacuum piping system.
- CFL operators must: monitor and manage gas emissions; regularly test ground water adjacent to the site; collect leachate for treatment; and, compact and cover waste on a daily basis.
- This fact sheet provides information about IDEM's role in ensuring that the facility complies with the terms of its environmental permits, as well as, all applicable environmental requirements to prevent and minimize environmental impacts.

IDEM's Role:

- IDEM is responsible for protecting human health and the environment while allowing safe industrial, agricultural, commercial, and government operations vital to a prosperous economy. In addition to issuing approvals and permits that comply with federal and state environmental regulations designed to protect public health and our environment, IDEM is also responsible for overseeing regulated activities and monitoring compliance at regulated facilities. IDEM conducts routine inspections and responds to pollution complaints.
- CFL has been issued three permits by IDEM. The solid waste permit, renewed in December 2013, regulates solid waste the landfill can accept. CFL has two air permits. The Title 5 Operating Air Permit covers the operation and management of the gas wells and emissions of the facility and was renewed in July 2014. The second air permit covers the operation of the energy generating station located at the facility. Inspectors from IDEM's Office of Land Quality and Office of Air Quality are responsible for conducting unannounced inspections at the facility to ensure compliance within the guidelines of the facility permits.
- IDEM has conducted several site inspections and made multiple site visits. The most recent inspection at the landfill, for Air Quality, occurred on March 09, 2016. IDEM has utilized inspection staff and experts from Land Quality, Air Quality, Water Quality and Emergency Response to investigate and help identify the odor and determine possible sources of the odor.

- IDEM staff is working with complainants in the communities surrounding the landfill to gather information, track odor locations, wind direction and times when the odor is detected.

Findings and Activities:

- January 27, 2016 - IDEM inspectors detected a pungent odor coming from an area near gas wells located in the landfill during a site inspection. The inspectors checked the gas wells and surrounding area and the results indicated possible issues with three gas wells. The wells are part of the gas collection system used to control and minimize off-site migration of subsurface gas and could contribute to potential odor generation.
- February 3, 2016 – IDEM issued an Inspection Summary/Violation Letter to CFL based on the results of the January 27, 2016, site inspection. The violation letter addressed solid waste permit conditions relating to odors from gas wells and required a plan for returning to compliance.
- February 16, 2016: CFL responded to the violation letter and notified IDEM that a repair crew had been hired to further investigate and/or correct the subsurface pipeline conditions for two extraction gas wells which were showing elevated oxygen readings. CFL repair crews attempted to repair gas wells; however, testing showed elevated oxygen remained.
- March 9, 2016 – IDEM Air Quality staff conducted site inspection and records review. Inspection results are still pending.
- March 14, 2016 – CFL notified IDEM that repairs to the wells and the collection system will be complex and extensive. CFL determined that the vacuum lines near the wells may contain liquids. CFL plans to replace the vacuum lines between the well and the collectors. The vacuum lines are at a substantial depth, and the repair requires installation of replacement piping. CFL is requested additional time to correct problems with the wells and collection system. IDEM is reviewing the request.
- June 9, 2016 – This is CFL's proposed completion date for repairs to the wells and gas collection system.

Additional Information:

For more information on solid waste and landfill permitting, visit IDEM's website at <http://www.in.gov/idem/4222.htm>

For more information on solid waste and landfill compliance, reporting, and services, visit IDEM's website at <http://www.in.gov/idem/4998.htm>

For more information on methane collection and use as an energy source in the United States, visit U.S. EPA's website at <http://www.epa.gov/lmop/faq/lfg.html>.